

TRAORE Mohamed

Proxy Product Owner / Business Analyst | Foundation Models, LLM Agents, MLOps | Python

+33 6 21 83 33 04

Mh.traore@hotmail.com

Driver's license (B)

in [linkedin.com/in/mohamed-traore/](https://www.linkedin.com/in/mohamed-traore/)

mohamedtraore.dev

Nanterre, France

Proxy Product Owner focused on AI: steering LLM agents and full lifecycle delivery from prototype to CI/CD production. Two years of hands-on experience in energy groups EDF and Engie. Master of foundation models, NLP/ML, and cross-functional collaboration.

Professional Experience

Proxy Product Owner / Business Analyst (Apprenticeship)

EDF (Enedis) 10/2025-10/2026 | Paris, France

- Designed and steered an **AI agent grounded in a locally hosted LLM** (Ollama, tool-calling) automating a natural-language decision workflow, with guardrails against hallucination and validation against a business repository.
- Owned the **full AI project lifecycle** from prototype to production: Docker, Ansible, GitLab CI to a dedicated server, with SonarQube static analysis and Checkmarx security testing before every release.
- Built **Python** (pandas, multithreading) and **SQL** pipelines processing hundreds of thousands of records across 6 environments.
- Delivered three interfaces for non-technical stakeholders (PyQt6, FastAPI, conversational agent), with documentation and end-user training.
- Gathered requirements and prioritized the backlog** with 7 Business Analysts and the Tech Office in an Agile approach.

Data Analyst (Internship)

Engie (GRDF) 03/2025-09/2025 | Lyon, France

- Machine learning** models combining weather data with consumption history to improve gas allocation forecasting.
- Automated a monthly reporting process (5 datasets, 5,000+ rows/day) with **Power Query**: 30% faster.
- Monitored reporting tools via **SQL** to flag anomalies early, supporting a nationwide 24/7 team of 30 people.

Data Analyst (Internship)

Business France 01/2023-08/2023 | Paris, France

- Gathered business requirements and translated them into functional specifications.
- Automated **Power BI** dashboards integrated with SharePoint/Salesforce, halving report generation time.

Education

Master's in Innovation, Business & Society (CMI Data Science for Social Sciences)

Universite Paris Nanterre

Machine Learning (R) · Data Analysis (R) · Databases (MySQL) · Python

Erasmus Programme - Economics & Management

Technische Universität Dresden, Germany

Business Process Management (BPMN) · Innovation & Product Management

Bachelor's in Economics & Management (CMI Data Science for Social Sciences)

Universite Paris Nanterre

Object-Oriented Programming (Java) · Probability & Integration · Risk & Behavior

Languages

French: Native (C2)

English: Professional proficiency, [TOEIC 960](#)

Chinese: Basics

Interests

Fashion: Former model | **Sports:** Track and field, running

Certifications (IBM, Hugging Face)

[Data Science Methodology](#)

[Python Project for Data Science](#)

[Python for Data Science, AI & Development](#)

[Tools for Data Science](#)

[Databases and SQL with Python \(In progress\)](#)

[Fundamentals of AI Agents \(Hugging Face\)](#)

[AWS Cloud Practitioner Essentials \(In progress, Move2Cloud\)](#)

Projects

Natural-Language Data Lake Agent

github.com/YoroHiro/graph_vote_project

- LLM agent** (Mistral AI) translating natural-language questions into PySpark code executed on a data lake, with guardrails and constrained JSON output.

Day-Ahead Electricity Price Forecasting

github.com/YoroHiro/energie_datalake_project

- End-to-end Big Data pipeline (Bronze/Silver/Gold, PySpark) integrating 9 heterogeneous sources with data quality checks at every layer.
- XGBoost** model (600K+ rows, 23 features), R^2 of 0.88, followed by an analysis of the underlying drivers.

Technical Skills

AI and Foundation Models: LLM agents and tool-calling (local Ollama, Mistral AI), LangChain, smolagents, guardrails, NLP, XGBoost, scikit-learn

Programming and Delivery: Python (pandas, openpyxl, requests), SQL, PySpark, REST APIs, FastAPI, Docker, Ansible, GitLab CI/CD, SonarQube, Checkmarx

Cloud and Systems: AWS (Cloud Practitioner Essentials, in progress), Azure AD (MSAL)

Data and BI: Layered data lake architecture (Bronze/Silver/Gold), Power BI, Power Query, KPI design

Cross-Functional: Agile Proxy Product Owner, requirement gathering, backlog prioritization, stakeholder collaboration, Jira, Confluence